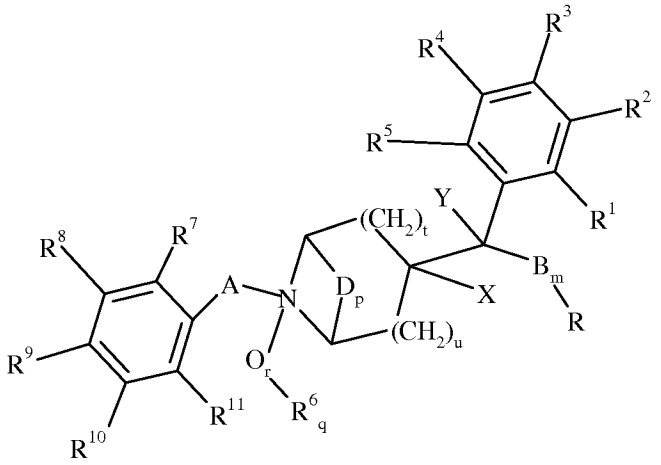
Listing of the Claims

This listing of the claims replaces all prior versions and listings of claims in the application.

1. (Cancelled)

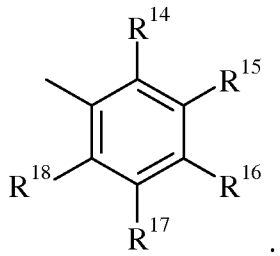
2. (Currently Amended) ~~The compound of claim 1,~~ A compound of formula **I:**



I

wherein m, q and p are 0; t and u are 1; A is $-CH_2-$; X is selected from halogen, hydroxyl or alkoxycarbonyl; Y is selected from hydrogen, halogen or hydroxyl; R^1, R^2, R^3 and R^4 are independently selected from hydrogen, halogen, alkyl, alkoxy, haloalkyl, haloalkoxy, $-CH_2(OH)CH_3$, $-CH=NOC_2H_5$, 1,3-dioxolan-2-yl, or R^2 and R^3 taken together with $-OCF_2O-$; R^5 is hydrogen; R^7, R^{10} and R^{11} are hydrogen; R^8 is selected from hydrogen, halogen, alkyl or alkoxy; R^9 is selected from alkoxy, alkoxyalkoxy, alkoxyalkoxyalkoxy, cyclopropylmethoxy, 2-halophenoxy, 3-halophenoxy, 4-halophenoxy, pyrimidin-2-yl, pyrid-2-yl, 3-halo-pyrid-2-yl, 3-alkyl-pyrid-2-yloxy, 4-alkyl-pyrid-2-yloxy, 5-alkyl-pyrid-2-yloxy, 6-alkyl-pyrid-2-yloxy, 3-halo-pyrid-2-yloxy, 3-trihaloalkyl-pryid-2-yloxy, 3-cyano-pyrid-2-yloxy, 5-cyano-pyrid-2-yloxy, 6-dialkoxyalkyl-pyrid-2-yloxy, pyrid-2-yloxy, $CO_2CH(CH_3)_2$, $-CH=NOCH_3$, $-CH=NOC_2H_5$, $-CH=NOCH_2CF_3$, $-CH=NOCH_2CH=CH_2$, $-CH=NOCH_2CN$, $-CH=NOCH(CH_3)_2$, $-CH=NOCH_2C\equiv CH$, $-CH=NOCH_2CH_2F$, $-CH=NOCH_2CH_2OCH_3$, $-CH=NOCH_2OC_2H_5$, -

$CH=NOCH_2CH_2OCH_2CH_2OCH_3$, $-NHCO_2CH_3$, $-NHCO_2C_2H_5$, $-NHCO_2CH(CH_3)_2$, $-NHCO_2CH_2$-*c*-C_3H_5, $-CH(OH)C_6H_5$-*p*-Cl, $-OC(=O)NHCH_3$, $-OC(=O)NHC_2H_5$, $-OC(=O)NHCH(CH_3)_2$, $-NHC(SCH_3)=NCN$, pyrimidin-2-yloxy, 6-halo-pyridazin-3yloxy, 6-alkoxy-pyridazin-3yloxy, 6-alkyl-pyridazin-3yloxy, 2-alkyl-2H-tetrazol-5-yl, 1,3-dioxan-2-yl or 5,5-dialkyl-1,3-dioxan-2-yl; and R is phenyl substituted with R^{14}, R^{15}, R^{16}, R^{17}, and R^{18},



;

where

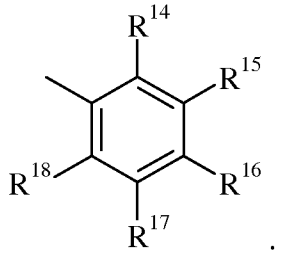
R^{14}, R^{15}, R^{16} and R^{17} are independently selected from halogen, haloalkyl, haloalkoxy or R^{15} and R^{16} taken together with $-OCF_2O-$; and R^{18} is hydrogen

and

agriculturally-acceptable salts thereof.

3. (Original) The compound of claim 2, wherein X is selected from halogen, $-CO_2C_2H_5$ or hydroxyl; and R^9 is selected from $-OC_2H_5$, $-OC_3H_7$, $-OCH(CH_3)_2$, $-OCH_2CH_2OCH_3$, $-OCH_2CH_2CH_2OCH_3$, cyclopropylmethoxy, 2-chlorophenoxy, 3-chlorophenoxy, 4-chlorophenoxy, pyrimidin-2-yl, pyrid-2-yl, 3-chloro-pyrid-2-yl, 3-methyl-pyrid-2-yloxy, 4-methyl-pyrid-2-yloxy, 5-methyl-pyrid-2-yloxy, 6-methyl-pyrid-2-yloxy, 3-chloro-pyrid-2-yloxy, 3-trifluoromethyl-pryid-2-yloxy, 3-cyano-pyrid-2-yloxy, 5-cyano-pyrid-2-yloxy, 6-dimethoxymethyl-pyrid-2-yloxy, pyrid-2-yloxy, $-CO_2CH(CH_3)_2$, $-CH=NOCH_3$, $-CH=NOC_2H_5$, $-CH=NOCH_2CF_3$, $-CH=NOCH_2CH=CH_2$, $-CH=NOCH_2CN$, $-CH=NOCH(CH_3)_2$, $-CH=NOCH_2C\equiv CH$, $-CH=NOCH_2CH_2F$, $-CH=NOCH_2CH_2OCH_3$, $-CH=NOCH_2OC_2H_5$, $-CH=NOCH_2CH_2OCH_2CH_2OCH_3$, $-NHCO_2CH_3$, $-NHCO_2C_2H_5$, $-NHCO_2CH(CH_3)_2$, $-NHCO_2CH_2$-*c*-C_3H_5, $-CH(OH)C_6H_5$-*p*-Cl, $-OC(=O)NHCH_3$, $-OC(=O)NHC_2H_5$, $-OC(=O)NHCH(CH_3)_2$, $-NHC(SCH_3)=NCN$, pyrimidin-2-yloxy, 6-chloro-pyridazin-3yloxy, 6-methoxy-pyridazin-3yloxy, 6-methyl-pyridazin-3yloxy, 2-methyl-2H-tetrazol-5-yl, 2-ethyl-2H-tetrazol-5-yl, 1,3-dioxan-2-yl or 5,5-dimethyl-1,3-dioxan-2-yl.

4. (Original) The compound of claim 3, wherein X is selected from fluorine, $-CO_2C_2H_5$ or hydroxyl; Y is selected from hydrogen, fluorine, chlorine or hydroxyl; R^1, R^2, R^3 and R^4 are independently selected from hydrogen, halogen, alkyl, tert-butyl, methoxy, trifluoromethyl, difluoromethoxy, trifluoromethoxy, $-OCF_2CHFCF_3$, , $-CH_2(OH)CH_3$, $–CH=NOC_2H_5$, 1,3-dioxolan-2-yl or R^2 and R^3 taken together with $–OCF_2O-$; R^8 is hydrogen; R^9 is selected from $-OCH_2CH_2OCH_3$, $–CH=NOCH_3$, $-CH=NOC_2H_5$, $-CH=NOCH_2CN$, $-CH=NOCH_2CH_2OCH_3$, $-NHCO_2CH(CH_3)_2$, $-OC(=O)NHCH(CH_3)_2$, pyrimidin-2-yl, pyrid-2-yl, 3-chloro-pyrid-2-yl, 3-methyl-pyrid-2-yloxy, 4-methyl-pyrid-2-yloxy, 5-methyl-pyrid-2-yloxy, 6-methyl-pyrid-2-yloxy, 3-chloro-pyrid-2-yloxy, 3-trifluoromethyl-pryid-2-yloxy, 3-cyano-pyrid-2-yloxy, 5-cyano-pyrid-2-yloxy, 6-dimethoxymethyl-pyrid-2-yloxy, pyrid-2-yloxy, pyrimidin-2-yloxy, 6-chloro-pyridazin-3yloxy, 6-methoxy-pyridazin-3yloxy or 6-methyl-pyridazin-3yloxy; and R is phenyl substituted with R^{14}, R^{15}, R^{16}, R^{17}, and R^{18},



;

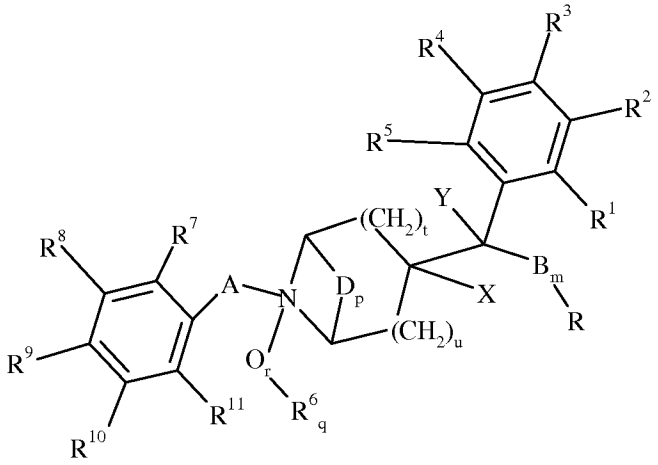
where

R^{14}, R^{15}, R^{16} and R^{17} are independently selected from fluorine, chlorine, trifluoromethyl, difluoromethoxy, trifluoromethoxy, $-OCF_2CHFCF_3$ or R^{15} and R^{16} taken together with $–OCF_2O-$.

5. (Original) The compound of claim 4, wherein X is hydroxyl; Y is hydrogen; R^3 is haloalkoxy; R^9 is selected $-OCH_2CH_2OCH_3$, $–CH=NOCH_3$, $-CH=NOC_2H_5$, $-CH=NOCH_2CN$, $-CH=NOCH_2CH_2OCH_3$, $-NHCO_2CH(CH_3)_2$, $-OC(=O)NHCH(CH_3)_2$, pyrid-2-yloxy, pyrid-2-yl, 3-cyano-pyrid-2-yloxy, 5-methyl-pyrid-2-yloxy, pyrimidin-2-yloxy, pyrimidin-2-yl, 6-chloro-pyridazin-3-yloxy or 6-methoxy-pyridazin-3-yloxy; and R^{16} is haloalkoxy.

6. (Cancelled)

7. (Original) A compound of formula **I**:



I

wherein;

r is selected from 0 or 1; m, q and p are 0; t and u are 1;

A is $–CH_2-$;

X is selected from halogen or hydroxyl;

Y is selected from hydrogen or hydroxyl;

R^1, R^2, R^3 and R^4 are independently selected from hydrogen, halogen, alkyl, alkoxy, haloalkyl, haloalkoxy or $–CH=NOC_2H_5$;

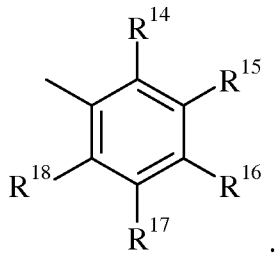
R^5 is hydrogen;

R^7, R^8, R^{10} and R^{11} are hydrogen;

R^9 is selected from $–OC_2H_5$, $-OC_3H_7$, $-OCH(CH_3)_2$, $-OCH_2CH_2OCH_3$, $-OCH_2CH_2CH_2OCH_3$, cyclopropylmethoxy, 2-chlorophenoxy, 3-chlorophenoxy, 4-chlorophenoxy, pyrimidin-2-yl, pyrid-2-yl, 3-chloro-pyrid-2-yl, 3-methyl-pyrid-2-yloxy, 4-methyl-pyrid-2-yloxy, 5-methyl-pyrid-2-yloxy, 6-methyl-pyrid-2-yloxy, 3-chloro-pyrid-2-yloxy, 3-trifluoromethyl-pryid-2-yloxy, 3-cyano-pyrid-2-yloxy, 5-cyano-pyrid-2-yloxy, 6-dimethoxymethyl-pyrid-2-yloxy, pyrid-2-yloxy, $CO_2CH(CH_3)_2$, $-CH=NOCH_3$, $-CH=NOC_2H_5$, $-CH=NOCH_2CF_3$, -CH=NOallyl, $-CH=NOCH_2CH=CH_2$, $-CH=NOCH_2CN$, $-CH=NOCH(CH_3)_2$, $-CH=NOCH_2C\equiv CH$, $-CH=NOCH_2CH_2F$, $-CH=NOCH_2CH_2OCH_3$, $-CH=NOCH_2OC_2H_5$, $-CH=NOCH_2CH_2OCH_2CH_2OCH_3$, $-NHCO_2CH_3$, $-NHCO_2C_2H_5$, $-NHCO_2CH(CH_3)_2$, $-NHCO_2CH_2$-*c*-C_3H_5, $-CH(OH)C_6H_5$-*p*-Cl, $-OC(=O)NHCH_3$, $-OC(=O)NHC_2H_5$, -

$OC(=O)NHCH(CH_3)_2$, $-NHC(SCH_3)=NCN$, pyrimidin-2-yloxy, 6-chloro-pyridazin-3yloxy, 6-methoxy-pyridazin-3yloxy, 6-methyl-pyridazin-3yloxy, 2-methyl-2H-tetrazol-5-yl, 2-ethyl-2H-tetrazol-5-yl, 1,3-dioxan-2-yl or 5,5-dimethyl-1,3-dioxan-2-yl; and

R is phenyl substituted with R^{14}, R^{15}, R^{16}, R^{17}, and R^{18},

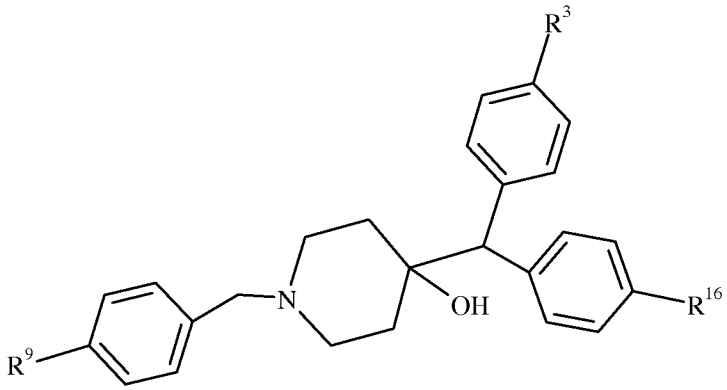


;

where

R^{16} is selected from haloalkyl or haloalkoxy, and R^{14}, R^{15}, R^{17} and R^{18} are hydrogen.

8. (Original) A compound of formula **I-H**:



I-H

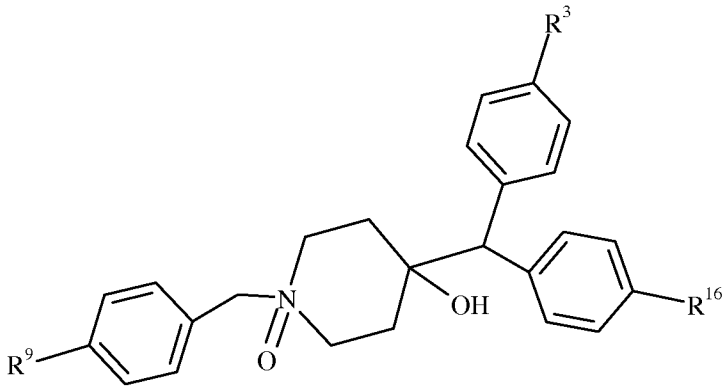
wherein,

R^3 is haloalkyl or haloalkoxy;

R^9 is selected from $-OCH_2CH_2OCH_3$, pyrid-2-yloxy, pyrid-2-yl, 3-cyano-pyrid-2-yloxy, 5-methyl-pyrid-2-yloxy, pyrimidin-2-yloxy, pyrimidin-2-yl, 6-chloro-pyridazin-3-yloxy or 6-methoxy-pyridazin-3-yloxy; and

R^{16} is haloalkyl or haloalkoxy.

9. (Original) A compound of formula **I-J**:



I-J

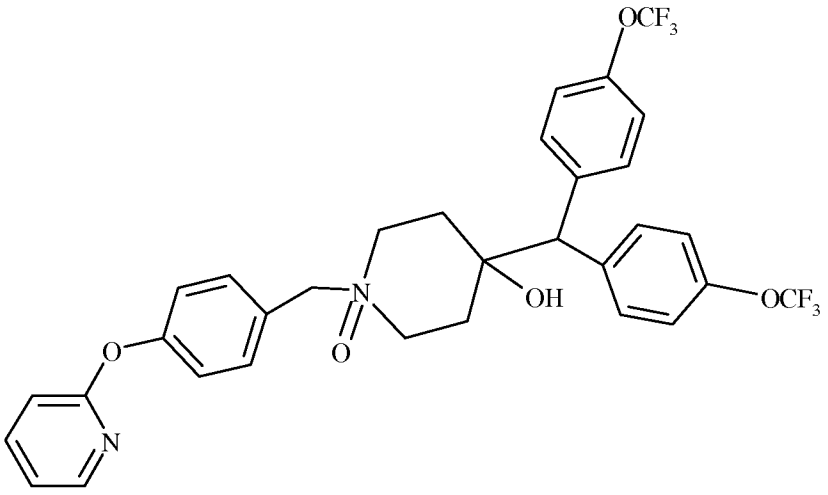
wherein,

R^3 is haloalkyl or haloalkoxy;

R^9 is selected from $-OCH_2CH_2OCH_3$, pyrid-2-yloxy, pyrid-2-yl, 3-cyano-pyrid-2-yloxy, 5-methyl-pyrid-2-yloxy, pyrimidin-2-yloxy, pyrimidin-2-yl, 6-chloro-pyridazin-3-yloxy or 6-methoxy-pyridazin-3-yloxy; and

R^{16} is haloalkyl or haloalkoxy.

10. (Original) The compound:



namely, 4-{bis[4-(trifluoromethoxy)phenyl]methyl}-4-hydroxy-1-[(4-(2-pyridyloxy)phenyl)methyl]piperidin-1-oxide, and agriculturally-acceptable salts thereof.

11. (Cancelled)

12. (Original) A composition containing an insecticidally effective amount of a compound of claim 2 in admixture with at least one agriculturally acceptable extender or adjuvant.

13. (Original) A composition containing an insecticidally effective amount of a compound of claim 3 in admixture with at least one agriculturally acceptable extender or adjuvant.

14. (Original) A composition containing an insecticidally effective amount of a compound of claim 4 in admixture with at least one agriculturally acceptable extender or adjuvant.

15. (Original) A composition containing an insecticidally effective amount of a compound of claim 5 in admixture with at least one agriculturally acceptable extender or adjuvant.

16. (Cancelled)

17. (Original) A composition containing an insecticidally effective amount of a compound of claim 7 in admixture with at least one agriculturally acceptable extender or adjuvant.

18. (Original) A composition containing an insecticidally effective amount of a compound of claim 8 in admixture with at least one agriculturally acceptable extender or adjuvant.

19. (Original) A composition containing an insecticidally effective amount of a compound of claim 9 in admixture with at least one agriculturally acceptable extender or adjuvant.

20. (Original) A composition containing an insecticidally effective amount of a compound of claim 10 in admixture with at least one agriculturally acceptable extender or adjuvant.

21.-31. (Cancelled)

32. (Original) A method of controlling insects, comprising applying an insecticidally effective amount of a composition of claim 12 to a locus where insects are present or are expected to be present.

33. (Original) A method of controlling insects, comprising applying an insecticidally effective amount of a composition of claim 13 to a locus where insects are present or are expected to be present.

34. (Original) A method of controlling insects, comprising applying an insecticidally effective amount of a composition of claim 14 to a locus where insects are present or are expected to be present.

35. (Original) A method of controlling insects, comprising applying an insecticidally effective amount of a composition of claim 15 to a locus where insects are present or are expected to be present.

36. (Cancelled)

37. (Original) A method of controlling insects, comprising applying an insecticidally effective amount of a composition of claim 17 to a locus where insects are present or are expected to be present.

38. (Original) A method of controlling insects, comprising applying an insecticidally effective amount of a composition of claim 18 to a locus where insects are present or are expected to be present.

39. (Original) A method of controlling insects, comprising applying an insecticidally effective amount of a composition of claim 19 to a locus where insects are present or are expected to be present.

40. (Original) A method of controlling insects, comprising applying an insecticidally effective amount of a composition of claim 20 to a locus where insects are present or are expected to be present.